

### About the Workshop:

In recent years, Research in academic institutions has become an integral part for every faculty in general and in particular a necessity for educationists in engineering colleges. In the above perspective the Electronics and Instrumentation Engineering department of our college is organizing this workshop. This workshop aims to enlighten the participants who wish to pursue research and enable the research scholars to align their research on the right track.

### Workshop Contents:

#### Electrical Stream:

- ❖ Luo converters, KY converters, Sheppard Taylor converters, soft switching converters.
- ❖ State space averaging modeling approach.
- ❖ PI controller and Sliding mode controller.

#### Instrumentation Stream:

- ❖ Intelligent modeling of MIMO non-linear systems.
- ❖ Optimization Techniques in Process Control.
- ❖ Process Control: Current Trends and Future Challenges.

Rapid advancement in the above field promises a new future to the mankind which paves a way for plenty of opportunities for researchers in these fields

### Eligibility:

UG/PG students, Faculty members, Research Scholars, Engineers and Supervisors working in Electrical and Instrumentation Engineering can apply.

### Course Fee

For UG & PG Students / Academicians : Rs. 700/-

For Industry Delegates : Rs. 1000/-

The course fee includes course material, workshop kit, lunch and refreshments.

### Registration details

Registration for workshop can be made by sending the duly filled application form along with a Demand Draft drawn in favor of "THE PRINCIPAL, KARPAGAM COLLEGE OF ENGINEERING", payable at Coimbatore on or before **10.03.2018**.

### Resource Persons:

The resource persons will be from various reputed institutions.

The details of this workshop are available in the website [www.kce.ac.in](http://www.kce.ac.in)

**KARPAGAM COLLEGE OF ENGINEERING  
COIMBATORE-641032**

**DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION ENGINEERING**

**One Day Workshop on  
"Potential Research Avenues and Future  
Opportunities in  
Electrical and Instrumentation Engineering"**

**16<sup>th</sup> MARCH 2018**

**Application Form**

Name (in block letters):

Age & Sex:

Institution / Organization:

E-mail Address:

Phone number:

### Details of the Registration fee

Amount:

DD No:

Date:

Bank Name:

**Participating Stream** :( Please Tick) 1.  2.

**1. Electrical Engineering**

**2. Instrumentation Engineering**

**Participant Category:**

Industry/Academic/Student

Signature of the Applicant

Place:

Date:

### Organizing Institution

The Karpagam Charity Trust was promoted by Dr. R. Vasanthakumar, Chairman and Managing Trustee in 1989, with a Vision to serve and lead the society by imparting quality based education as the Mission. Karpagam College of Engineering was established in the year 2000, an Autonomous institution approved by AICTE and affiliated to Anna University, Chennai. Karpagam College of Engineering offers 9 UG courses and 5 PG courses. In addition to the greatest mile stone, currently institute got NAAC Accreditation with "A" grade. The college has also signed MOU's with reputed industries and institution to enable students to be trained to enhance practical knowledge and develop latest technical laboratories in institution.

### About the Department

The Department of EIE was started in 2008, has qualified faculty members, well-equipped laboratories such as Transducers and Measurement Lab, Control Systems Lab, Process Control Lab, Virtual Instrumentation Lab, PLC Lab, Industrial Instrumentation Lab, Electronics Circuits Lab and latest software packages. The main objective of the department is to produce talented and zealous Electronics and Instrumentation Engineers to satisfy the industrial needs. The department fosters a range of research workshops seminars and conference drawing on the collective intellectual energy of our faculty and students.

**The duly filled application form be sent to:**

**The Coordinators, (Research Workshop),  
Department of EIE,  
Karpagam College of Engineering,  
Coimbatore-32**

### ORGANISING COMMITTEE

#### CHIEF PATRON

**Dr. R. Vasanthakumar**

Chairman and Managing Trustee  
Karpagam Institutions

#### PATRON

**Shri. K. Murugiah**

CEO,  
Karpagam Institutions

#### CHAIRMAN

**Dr. P. Vijayakumar,**  
Principal

#### CONVENER

**Dr. S.Manoharan,**  
Professor and Head  
Department of EIE

#### COMMITTEE MEMBERS

Faculty of Electronics and Instrumentation  
Engineering Department

#### CONTACTS

**Coordinators : +91 8754041166**

**College Phone: 0422-2619026**

**College Fax : 0422-2619046**

**Email : [workshopeie2018@gmail.com](mailto:workshopeie2018@gmail.com)**



## One Day Workshop on "Potential Research Avenues and Future Opportunities in Electrical and Instrumentation Engineering"

**16<sup>th</sup> March 2018**

**CONVENER**

**Dr. S.Manoharan,  
Professor and Head /EIE**

**COORDINATORS**

**Dr.A.Sanjeevi Gandhi, Prof/EEE  
Ms.J.Indirapriyadharshini, AP/EIE**

**Organized by  
DEPARTMENT OF ELECTRONICS  
AND  
INSTRUMENTATION ENGINEERING**